

Roy Curtiss, III, and Steven A. t or Patentee:

Tinge

Attorney's Docket No.: MEGAN100

Serial or Patent No.:

08/473,789

Filed or Issued:

June 7, 1995

For:

RECOMBINANT BACTERIAL VACCINE SYSTEM WITH ENVIRONMENTALLY LIMITED VIABILITY

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF ORGANIZATION:

Washington University

ADDRESS OF ORGANIZATION: One Brookings Drive

St. Louis, Missouri 63130

TYPE OF ORGANIZATION

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION [x]
- TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE [] OF STATE OF THE UNITED STATES OF AMERICA
- [] WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA
- WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code with regard to the invention entitled "Recombinant Bacterial Vaccine System with

"Recombinant Bacterial Vaccine System with Environmentally Limited Viability"
By: Roy Curtiss, III, and Steven A. Tinge
Filed: June 7, 1995
VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

[] the specification filed herewith

Environmentally Limited Viability" by Roy Curtiss, III, and Steven A. Tinge described in

[x]	application	serial	no. 08/473,789,	filed	June	7,	1995	
[]	patent no	_	issued	•				

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: Megan Animal Health, Inc.

ADDRESS: 3655 Vista Avenue, St. Louis, Missouri 63110

[] INDIVIDUAL [x] SMALL BUSINESS CONCERN [] NONPROFIT ORG.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of

"Recombinant Bacterial Vaccine System with Environmentally Limited Viability"
By: Roy Curtiss, III, and Steven A. Tinge
Filed: June 7, 1995
VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING:

H.S. Leahey

TITLE IN ORGANIZATION:

Director, Technology Management

ADDRESS OF PERSON SIGNING:

One Brookings Drive, Campus Box 1045

St. Louis, Missouri 63130

SIGNATURE

DATE

8/1/95

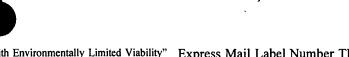
DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Recombinant B	acterial Vaccine System with	Environmentally Limited Via	ibility
the specification of which (check one)			
•	is attached	hereto	
	was filed o	nion Serial No	
	- -		
	and was a	mended on:(if applicable)	
·		(if applicable)	
I hereby state that I have rev claims, as amended by any amendme		ntents of the above-identified	specification, including the
I acknowledge the duty to disaccordance with Title 37, Code of Fed	deral Regulations, § 1.56(a).		
I hereby claim foreign priorit patent or inventor's certificate listed l certificate having a filing date before	below and have also identifie	d below any foreign application	
Prior F reign Application(s)		•	Priority <u>Claimed</u>
(Number)	(Country)	(Day/Month/Year Fi	led)
(Number)	(Country)	(Day/Month/Year Fi	led)
(Number)	(Country)	(Day/Month/Year Fi	led)
I hereby claim the benefit unbelow and, insofar as the subject mat application in the manner provided b to disclose material information as defiling date of the prior application an	ter of each of the claims of t y the first paragraph of Title fined in Title 37, Code of Fe	ne application is not disclosed 35, United States Code, § 112 deral Regulations, § 1.56(a) w	in the prior United States 2, I acknowledge the duty hich occurred between the
(Application Serial No.)	(Filing	•	Status nted, pending, abandoned)



"Recombinant Bacterial Vaccine System with Environmentally Limited Viability" Express Mail Label Number TB046533641US By: Roy Curtiss, III and Steven A. Tinge

Filed: June 7, 1995 DECLARATION

		2.45
(Application Serial No.)	(Filing Date)	Status
		(patented, pending, abandoned

As named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Patrea L. Pabst

31,284

Madeline I. Johnston

36,174

Robert A. Millman

36,217

Send Correspondence to:

Patrea L. Pabst, Esq.

ARNALL GOLDEN & GREGORY

2800 One Atlantic Center 1201 W. Peachtree Street Atlanta, GA 30309-3450

Direct telephone calls to:

Patrea L. Pabst (404)873-8794

I hereby declare that all statements made herein of my own knowledge are true and that all statements made n information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's signature	Date
Residence 6065 Lindell Blvd, St. Louis, MO. 63112-1009	
Citizenship United States	
Post Office Address	
Full name of second joint inventor (if any)Steven A. Tinge	·
Full name of second joint inventor (if any) <u>Steven A. Tinge</u> Inventor's signature	
· · · · · · · · · · · · · · · · · · ·	

nt or Patentee:

Roy Curtiss, III, and Steven A.

Tinge

Attorney's

Docket No.: MEGAN100

or Patent No.:

08/473,789

Filed or Issued:

June 7, 1995

For:

RECOMBINANT BACTERIAL VACCINE SYSTEM WITH ENVIRONMENTALLY LIMITED VIABILITY

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am

[] the owner of the small business concern identified below:

[X] an official of the small business concern empowered to act on behalf of the concern identified below:

Megan Animal Health, Inc. 3655 Vista Avenue St. Louis, Missouri 63110

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled "Recombinant Bacterial Vaccine System with Environmentally Limited Viability" by Roy Curtiss, III, and Steven A. Tinge described in

[] the specification filed herewith

[X] application serial no. 08/473,789 , filed June 7, 1995

[] patent no. , issued

232540 MEGAN100

"Recombinant Bacterial Vaccine System with Environmentally Limited Viability"
By: Roy Curtiss, III, and Steven A. Tinge Filed: June 7, 1995
VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor concern under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME Washington University
ADDRESS One Brookings Drive, St. Louis, Missouri 63130
[] INDIVIDUAL [] SMALL BUSINESS [x] NONPROFIT

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Sum	J. Clevingen Brian L. Clevinge
TITLE OF PERSON OTHER THAN OWNER	President
ADDRESS OF PERSON SIGNING	57. Lovis, Md 68108 14T
\mathcal{L} \mathcal{L}	57.200is, MA 68108
SIGNATURE/	DATE

MEGAN100





DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Recombinant Bacterial Vaccine System with Environmentally Limited Viability the specification of which (check one) is attached hereto <u>x</u> was filed on <u>June 7, 1995</u> as application Serial No. 08/473,789 and was amended on: ___ (if applicable) I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. **Priority** Claimed Prior Foreign Application(s) (Day/Month/Year Filed) (Country) (Number) (Country) (Day/Month/Year Filed) (Number) (Day/Month/Year Filed) (Number) (Country) I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Filing Date) Status (Application Serial No.) (patented, pending, abandoned)

MEGAN 100

226842.1

"Recombinant Bacterial Vaccine System with Environmentally Limited Viability"

By: Roy Curtiss, III and Steven A. Tinge Filed: June 7, 1995 DECLARATION

As named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

(3)

Patrea L. Pabst

Madeline I. Johnston

<u>31,284</u> <u>36,174</u>

Robert A. Millman

36,217

Send Correspondence to:

Patrea L. Pabst, Esq.

ARNALL GOLDEN & GREGORY

2800 One Atlantic Center 1201 W. Peachtree Street Atlanta, GA 30309-3450

Direct telephone calls to:

Patrea L. Pabst (404)873-8794

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's signatu	re Kry Curton Ld	Date <u>7-6</u> -
Residence	6065 Lindell Blvd, St. Louis (MO) 63112-1009	
Citizenship	United States	
₎₎ –	nd joint inventor (if any) Steven A. Tinge	
) Full name of secon	nd joint inventor (if any) Steven A Tinge	Date 7-10-95
- -	nd joint inventor (if any) Steven A Tinge	Date 7-10-95

Applicancs: Roy Curciss, III, and Sceven A. Tinge
Application No.: 08/473,789 Filed: June 7, 1995
For: RECOMBINANT BACTERIAL VACCINE SYSTEM WITH ENVIRONMENTALLY LIMITED VIABILITY
Washington University a corporation/university (Name of Assignee) - (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:
A. [x] An assignment from the inventor of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
B. [] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
1. From: To: The document was recorded in the Patent and Trademark Office at Reel , Frame , or for which a copy thereof is attached.
2. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
3. From:
[] Additional documents in the chain of title are listed on a supplement sheet.
[]Copies of assignments or other documents in the chain of title are attached.
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and believe are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.
Date :
Name : <u>H.S. Leahey</u>
Title : Director, Technology Management
Signature: /// /Jenury

MEGAN100